Ford Focus 1.0L FOX 92 Kw/125PS MHEV Engine

TechnicalSpecifications

Engine Type: 3-cyl double overhead camshaft engine with 12 valves

Block / Head:
Cast iron / Aluminium

Displacement (litres /cu in) 1.0L - 999cc (61.0)

Bore x Stroke (in): 71.9mm 82mm

Main Bearings: 4

Compression Ratio: 10.5:1

Fuel Injection: Sequential Multiport Fuel Injection

Valve Operation: Variable camshaft timing on the intake and exhaust camshafts

Power (PS @ RPM)
92 kW(125 PS)/ 4500-6000

Torque (lb.-t @ rpm)
(170 Nm / 1400-4500 PRM)

Oil Capacity / Spec:
5.05 L (5.34 qt) SAE 5W-20

Weight (kg.): 105 kg (Approx)

Dimensions (mm) H x W x L: 679 x 612 x 472 mm (Approx)

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Key Features & Benefits
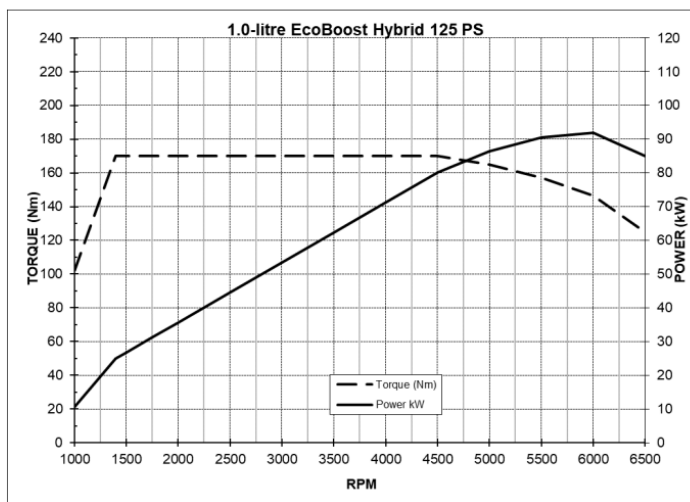
3-cylinder double overhead camshaft engine with 12 valves

Cast iron cylinder block, Aluminium alloy cylinder head

Camshafts driven by timing chain, not belt, for more robustness

Stage 6.2 emission level

Ford **TECHNICAL SPECIFICATIONS**

1.0-litre EcoBoost Hybrid 125 PS

Camshaft drive	Chain drive with hydraulic tensioner
Crankshaft	Cast iron, 6 counterweights, 4 main bearings
Engine management	Bosch CAN-Bus and individual cylinder knock control. FGEC software
Fuel injection	250bar (max) High pressure direct fuel injection with 5-hole injectors
Emission level	Euro 6d
Emission control	Rapid light-off catalyst, gasoline particulate filter
Turbocharger	Fixed geometry turbocharger
Electric motor	11.5kW Belt Integrated Starter-Generator
Battery	48V 8Ah Li-ion air cooled battery pack
Lubrication system	Electronically controlled variable displacement oil pump for improved fuel economy
Cooling system	Split cooling system with 2 thermostats